



# VRLA Rechargeable Battery

## EVP7-12



### FEATURES

- Absorbent Glass Mat technology for efficient gas recombination
- Maintenance free(no water topping-up required)
- No free acid(Non-spillable battery)
- Low self-discharge rate, lower than 3% capacity loss per month
- Can be used in any orientation(excluding used inverted)
- The battery is designed for high power & high cyclic usage

### APPLICATION

- UPS
- Fishing Lights
- Lawn Mower
- Power Packs
- Laboratory Equipment



### SPECIFICATIONS

Nominal Voltage	12 V
Nominal Capacity	7.0Ah @ 20 hour rate F.V.(1.75V/cell)
Approx. Weight	2750g(6.06lbs.)
Terminals	T2 (Faston Tab 250) T1 is optional
Internal Resistance	≤ 15mΩ (Fully Charged )
Max. Discharge Current	105 A (5 sec.)
Max. Charge Current	2.1 A
Operating Temperature Range	Charge : 0°C~40°C(32°F~104°F) Discharge : -20°C~50°C(-4°F~122°F) Storage : -20°C~40°C(-4°F~104°F)
Container Material	Standard: ABS (UL 94-HB) EVP7-12 Optional: Flame Retardant ABS(UL 94-V0) EVP7-12FR

- IEC 61056-1
- JIS C 8702-1
- GB/T 19639.1

DIMENSION(mm/inch)	OUTER DIMENSIONS	TERMINAL TYPE
<p>■ <b>Length</b> 151±1.5 (5.94±0.06)</p> <p>■ <b>Width</b> 65±1.5 (2.56±0.06)</p> <p>■ <b>Container Height</b> 94±1.5 (3.70±0.06)</p> <p>■ <b>Total Height</b> 100±2.0 (3.94±0.08)</p>		<p>● Terminal T1</p> <p>● Terminal T2</p>

### Constant power discharge characteristics at 25 °C/77 °F Unit: W

Discharge Time F.V. (V/cell)	5 Min	10 Min	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V	301	213	153	96.3	54.9	22.3	14.1	7.84	4.11
1.75V	348	231	162	99.9	56.5	22.8	14.3	8.00	4.20
1.70V	370	240	167	102.0	57.8	23.0	14.4	8.05	4.22
1.65V	387	245	171	104.0	58.4	23.2	14.5	8.07	4.23
1.60V	399	250	174	105.0	58.9	23.3	14.5	8.07	4.23

### Constant current discharge characteristics at 25 °C/77 °F Unit: A

Discharge Time F.V. (V/cell)	5 Min	10 Min	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V	27.84	19.37	14.52	8.52	4.61	1.86	1.17	0.65	0.34
1.75V	32.84	21.18	15.39	8.84	4.75	1.90	1.19	0.67	0.35
1.70V	34.89	22.02	15.84	9.04	4.85	1.92	1.20	0.67	0.35
1.65V	36.47	22.51	16.20	9.18	4.91	1.94	1.21	0.67	0.35
1.60V	37.67	22.91	16.49	9.29	4.95	1.94	1.21	0.67	0.35

All data and artworks shall be changed without prior notice, BB reserves the right to explain and update the information contained hereinto.